

PREFACE.

" A bold peasantry, their country's pride,
When once destroyed can never be supplied.

SOMEBODY has said "that he who is the means of making two blades of grass grow where only one grew before is a benefactor of his kind." With this end in view, this little book now sees the light.

This Manual of Drainage is now submitted to the farmers and land-owners with a sincere wish that they may receive as much benefit from its perusal as the author has received from the study of so interesting a subject.

The Tables are original, and they will enable anyone to answer the question, "What size of pipe do I require to drain my land?" They are the result of extensive reading scattered among numerous papers, pamphlets and books, while actively engaged upon drainage works.

The chapter on Drainage of villages, towns and cities comprises the essential knowledge most wanting, in our opinion, and without which no sewerage works can be satisfactory.

In preparing this chapter, recourse has been had to the printed reports and papers read before the several learned societies, among them, the Minutes of Proceedings of the Inst. C.E., and many printed reports on sewerage by different authors both in England and America, in order that, though brief, it may be reliable.

While believing that agriculture is the foundation of all permanent prosperity, and that without prosperous farmers all other industries must eventually languish, this little book is respectfully inscribed to the farmers of North America.

THE AUTHOR.